Najd Environmental Characteristics

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Construction



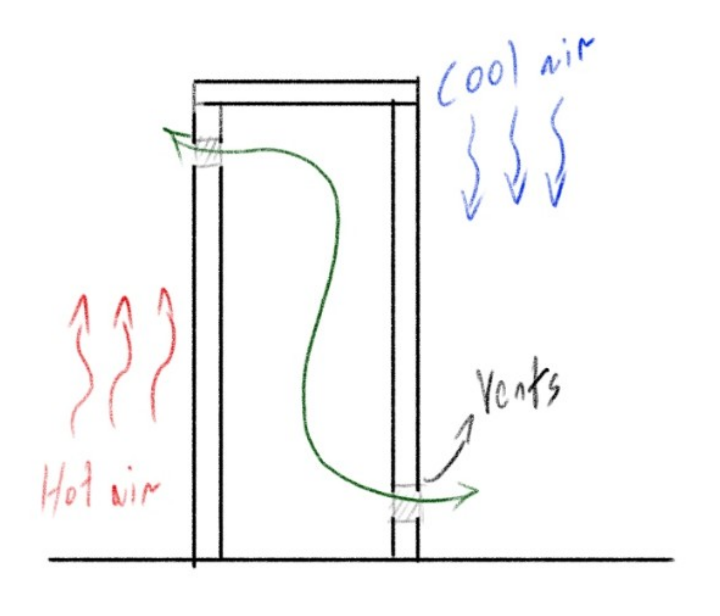




Mud construction

The mud construction of Najd can help us withstand the harsh environment as it insulates heat very well.

Properties of Air



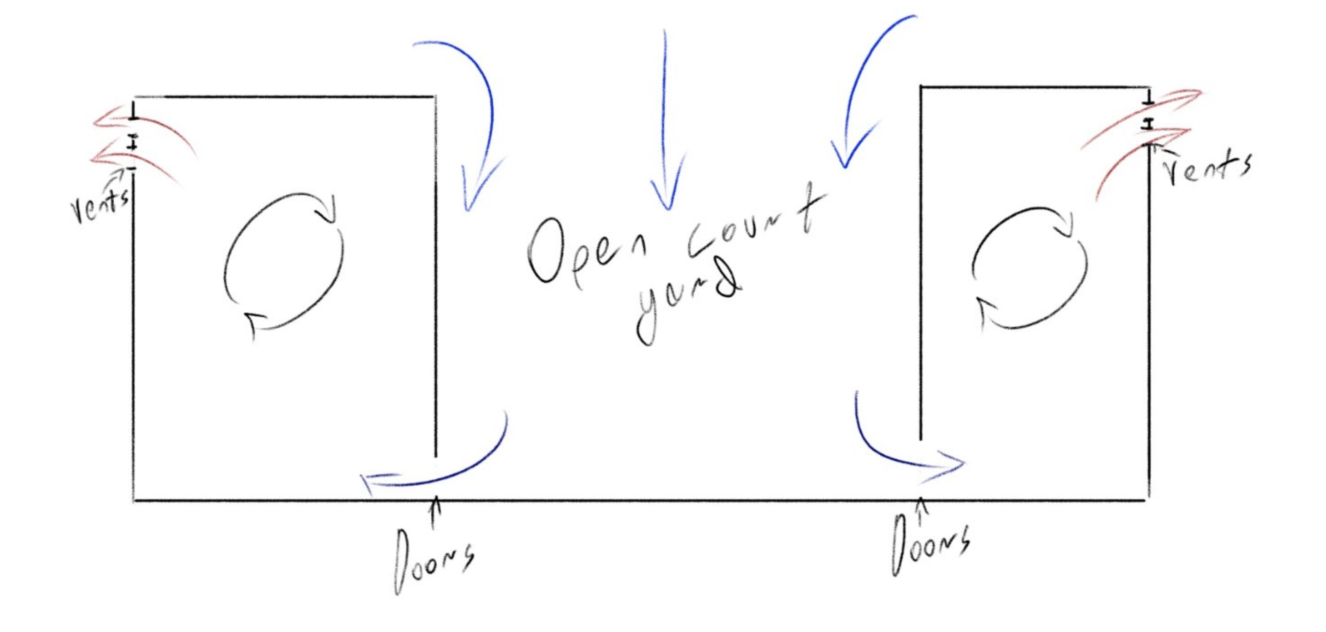


Air convection

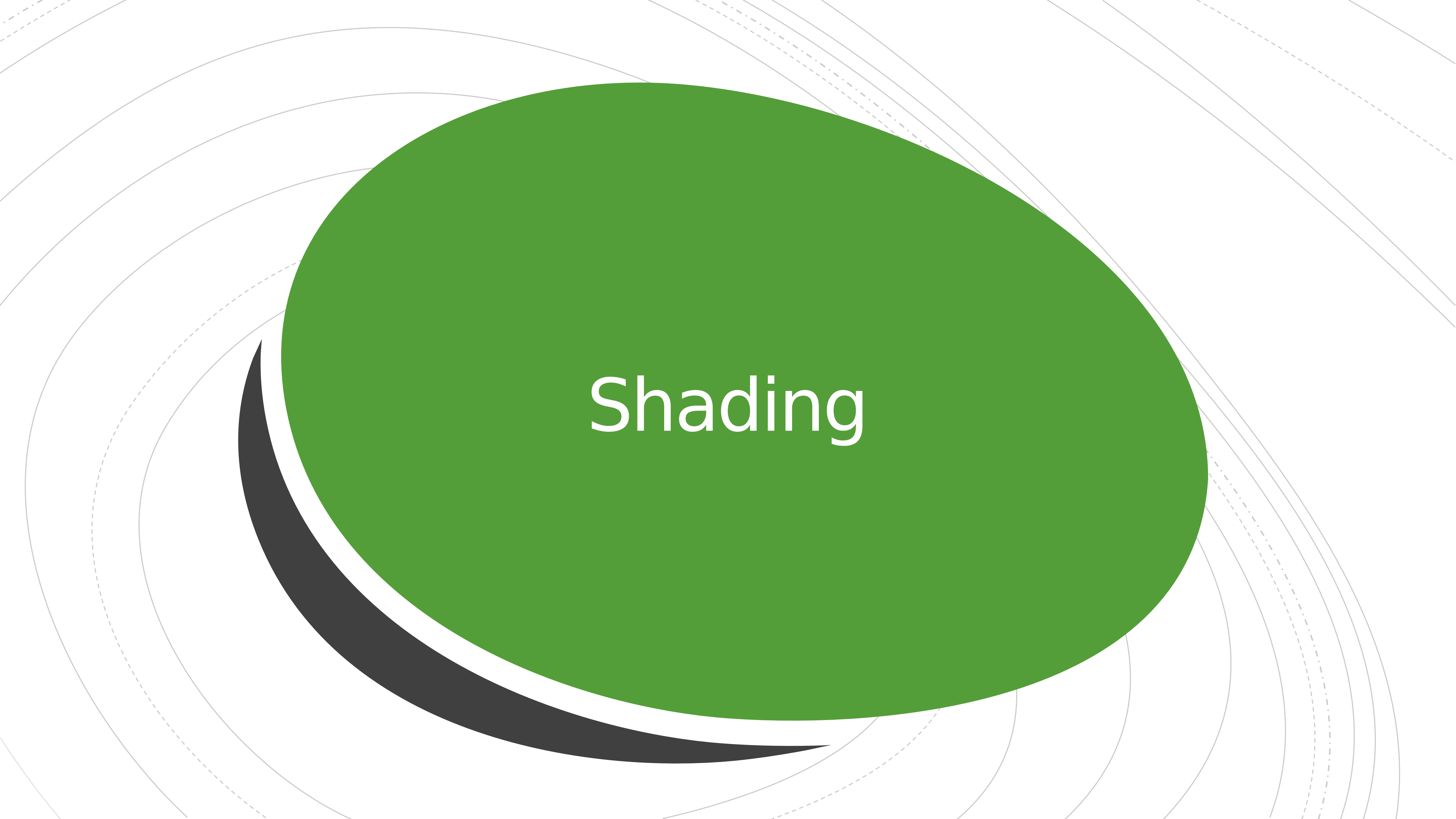
- As the air is heated it gets lighter and rises.
- On the other hand, when it is cooled it condenses and gets heavier moving to the bottom.


Air Circulation

Circulation



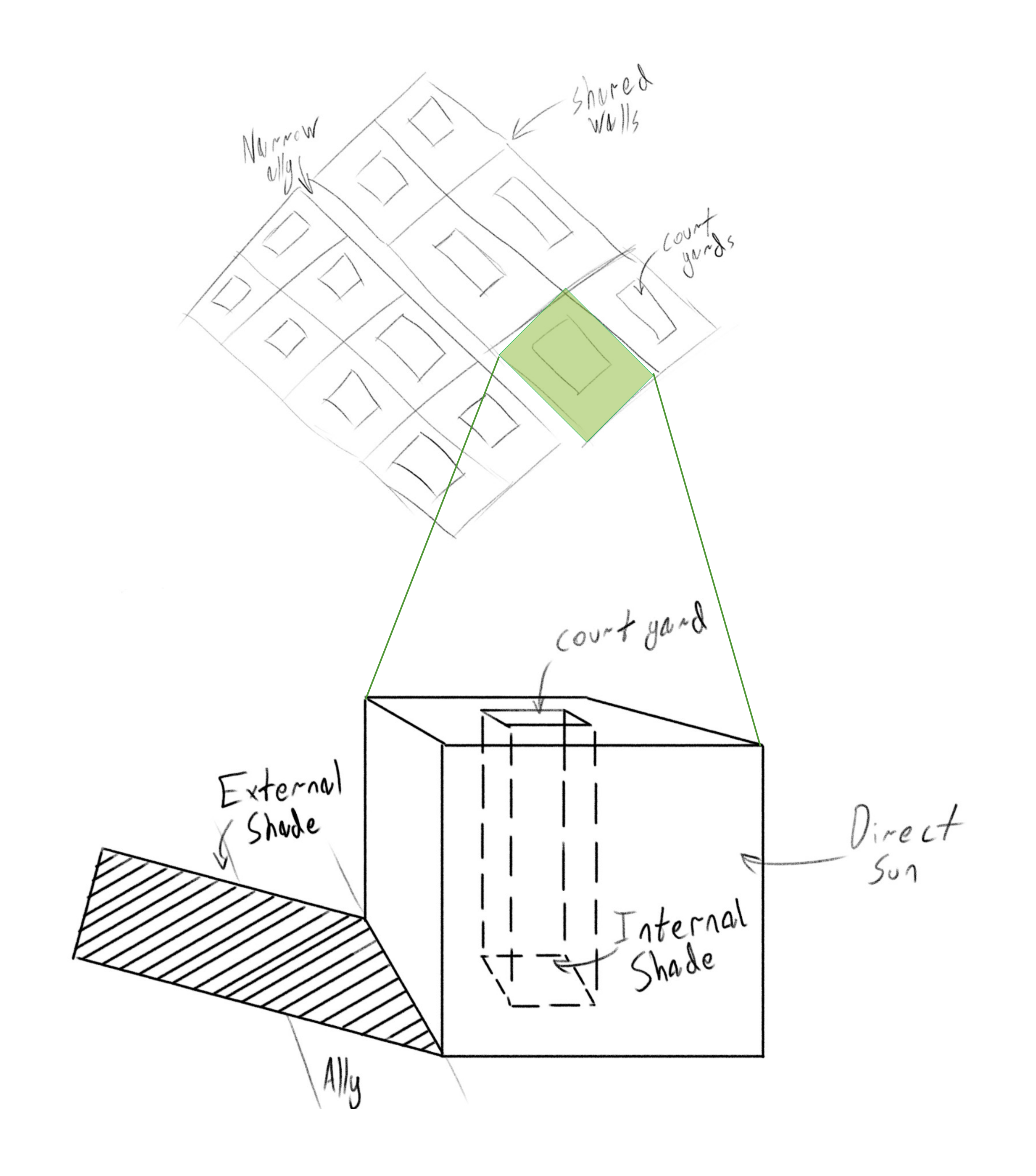
- By understanding the movement of the air we can understand the air circulation from the open space in the courtyard moving to the vent in each room


Shading

Managing the heat

- Building the houses next to each other share a wall or more we eliminate direct sun heat.

- We can also create shade to the ally way for most of the day by using the buildings' Hight as well as narrowing down the alleys.



Examples







Examples

Thank You